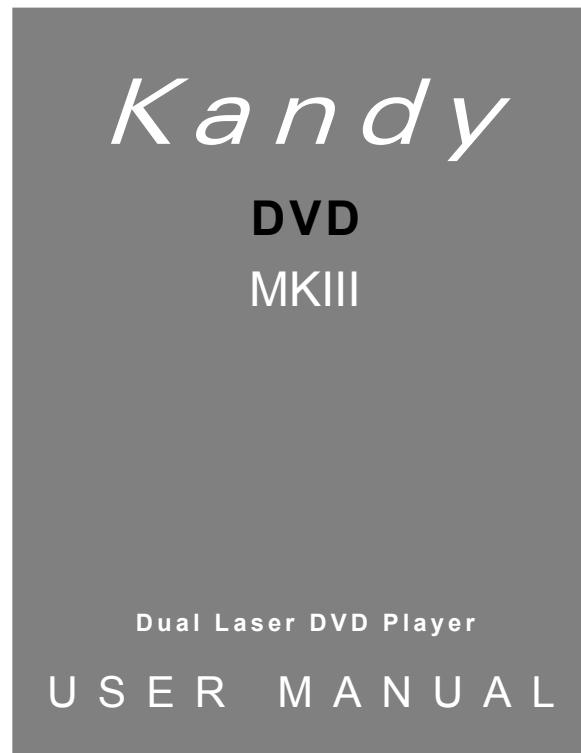


# ROK SAN



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## LASER SAFETY CAUTION

This unit employs a laser. Due to possible eye injury, only qualified service personnel should remove the cover or attempt to service this equipment. Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

**CLASS II LASER PRODUCT  
LUOKAN II LASERLAITE  
KLASS II LASERAPPARAT**

## CAUTION

Visible and invisible Laser radiation when open avoid exposure to beam (Warning location: Inside on Laser covershield)

## IMPORTANT NOTE

## Kandy Dual Laser DVD Player

Manufactured under license from Dolby Laboratories. "Dolby", "AC-3" and the double-D symbol are trademarks of Dolby Laboratories. Confidential Unpublished Works. ©1992-1997 Dolby Laboratories, Inc. All rights reserved.

"DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.  
All rights reserved.

*This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.*

Since it is usual for DVD movies to be released at different times in different regions of the world, all players have region codes and disc can have an optional region code. If you load a disc of a different region code to your player, you will see the region code notice on the screen. The disc will not play, and should be unloaded.

Possible region codes



There are 6 regions (also called "locales"). Each DVD player and disc will be played in one region ONLY.

- 1: Canada, U.S., U.S. Territories
- 2: Japan, Europe, South Africa, Middle East (including Egypt)
- 3: Southeast Asia, East Asia (including Hong Kong)
- 4: Australia, New Zealand, Pacific Islands, Central America, Mexico, South America, Caribbean
- 5: Former Soviet Union, Indian Subcontinent, Africa (also North Korea, Mongolia)
- 6: China

**Never make or change connections with the power switched on.**

Congratulations on your purchase of the ROKSAN Kandy DVD Player. This DVD Player is designed and manufactured to the highest specification and rigorously tested to offer you many years of trouble-free pleasure.

Your Kandy DVD Player is at the heart of your A/V system. Its correct installation, set-up and operation will have a profound influence on the performance of the entire A/V home theatre installation.

This manual is divided into the following sections:

- Safety Certification
- Important Note
- Introduction
- Cautions
- Installation
- Setup
- Operation
- Remote Control
- Setup Menu (See Appendix for details)
- Troubleshooting & Disc Handling and Maintenance
- Guarantee
- Specifications
- Notes

## UNPACKING

Included in the packing of your Kandy DVD Player you will find:

- One mains lead fitted with the correct mains power plug for your country
- One Kandy DVD Remote Handset and AA batteries (x2)
- One information pack and warranty card
- Video/Audio Leads

After removing these items please retain **all** packing materials. Correct packing is necessary for transportation of your Kandy DVD Player.

## MAINTENANCE

After disconnecting the DVD Player from the mains supply, the cabinet and front panel may be cleaned with a lightly dampened soft cloth or chamois leather. **Avoid using abrasives or solvents.**

## EU DIRECTIVES

This product is designed to comply with the legal provisions of EU Directives 89/3336/EC and 72/23/EC. The standards which have been applied are those which were in force at the time of the introduction of this product.

This product bears the CE mark.



This product is compliant to EN 60065.

This product is Double Insulated without an earth (Ground) connection and bears the double insulation mark.



## AC MAINS SUPPLY

Your Kandy DVD Player is set to operate from a fixed supply voltage which is marked on a label next to the mains input plug. Before connecting the mains lead please check that your mains supply corresponds to this label as below:

ALL Products ..... Voltage Range: 90V – 240V

The mains lead supplied with this product has C7 type (figure 8) mains socket which plugs into the C7 type connector on the unit's rear panel. The other end is normally attached to the appropriate mains plug for your country.

This plug should ordinarily not be removed from the lead. If you *do* remove it, please dispose of it safely so that it cannot be plugged into a mains socket whilst in a potentially dangerous condition. We suggest that you obtain from your dealer a complete replacement lead.

Should you move to another area where either the mains voltage or the mains plugs are different from those as supplied with your DVD Player, please contact the appointed ROKSAN distributor for assistance.

### **Please observe correct mains polarity at all times.**

The DVD Player mains fuse is located inside the unit on the power supply board. Only qualified and ROKSAN appointed service centre should replace these fuses. Do not attempt to gain access to the inside of this unit.

If the equipment is likely to be unused for some time, unplug it from the mains supply.

## GENERAL CAUTIONS

### **FCC WARNING**

This equipment has been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

### **INTERFERENCE**

Properly installed, this unit should not cause harmful interference to radio communications. There is, however, no guarantee that such interference will not occur in a specific installation. If interference arises (which you can determine by switching the unit off and on) you could try to remedy matters by the following:

- Re-orient or re-locate the receiving antenna
- Increase the distance between the DVD Player and receiver
- Connect the unit to a different mains circuit from that of the receiver
- Consult your ROKSAN appointed dealer or an experienced Radio/TV technician for help and advice

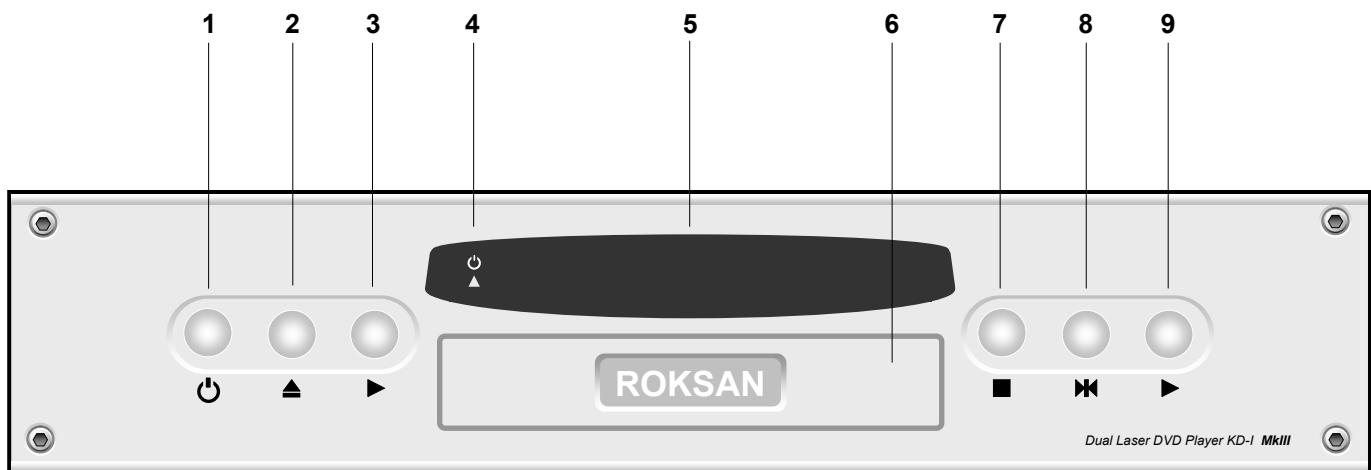
### **LOCATION**

Your Kandy DVD Player should be located in a well ventilated area and kept away from sources of heat, dust and humidity and direct sunlight.

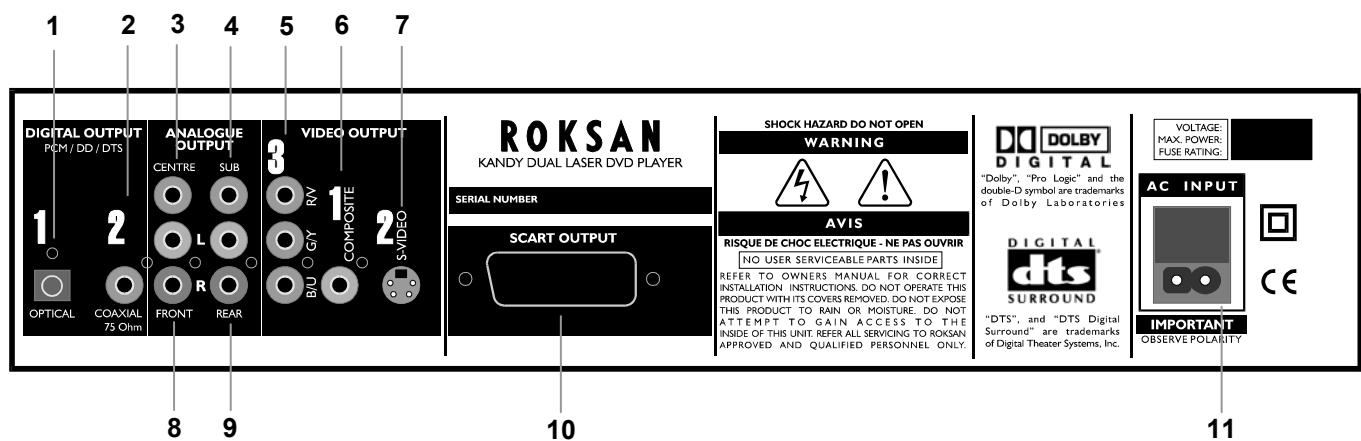
The DVD Player may be positioned either as a free standing unit or alongside another audio/video product. Never place the DVD Player on carpet or any surface likely to hinder normal ventilation.

Never allow liquids or other objects to fall into the unit.

This unit contains no user serviceable parts. **Do Not remove any panels or attempt to service it yourself.** Unauthorised servicing will void the warranty.

**ROKSAN Kandy DVD Player- Front Panel View**

1. Standby Button
2. Open/Close Button
3. Play Button
4. Standby Indicator
5. FL Display
6. Drawer Mechanism
7. Stop Button
8. Pause/Step Button
9. Play Button

**ROKSAN Kandy DVD Player - Rear Panel View**

1. Optical Digital Output
2. Coaxial Digital Output
3. Analogue Output Centre
4. Analogue Output Subwoofer
5. Component Video Output
6. Composite Video Output
7. S-Video Output
8. Analogue Output Front (Left & Right)
9. Analogue Output Rear (Left & Right Surround)
10. SCART Connector
11. AC Mains Inlet Socket

## CONNECTING MAINS POWER

Please refer to the rear panel view on page 5. The moulded connector of the supplied mains lead should be plugged into the socket (11, **observe polarity**) on the rear of the unit first and then plugged into the mains supply. If the unit is likely to be unattended for a long period, unplug the mains lead from the wall.

## SIGNAL CONNECTIONS

### **ANALOGUE OUTPUT:**

#### **Front L&R or Stereo**

**Front L&R Analogue Outputs (8)** are RCA Phono sockets and should be connected to the DVD or LINE input of your Preamplifier, Integrated Amplifier or Audio Input of your TV.

The connections are: Right Channel – Red; Left Channel – White.

#### **Surround L&R**

**Surround (REAR) L&R Analogue Outputs (9)** are RCA Phono sockets and ideally should be connected to the **TRIMMED L&R** Input of your Kandy 3 channel Power Amplifier or an Audio Input of a Multichannel Amplifier.

The connections are: Right Channel – Red; Left Channel – White.

#### **Centre**

**Centre Analogue Output (3)** is RCA Phono socket and ideally should be connected to the **TRIMMED C** Input of your Kandy 3 channel Power Amplifier or an Audio Input of a Multichannel Amplifier.

The connection is: Centre Channel – Black.

#### **Subwoofer**

**Subwoofer (SUB) Analogue Output (4)** is RCA Phono socket and ideally should be connected to an Active Subwoofer.

The connection is: Subwoofer Channel – Black.

### **DIGITAL OUTPUTS:**

There are two Digital Outputs, one Coaxial the other Optical. The Digital Output (1) is an Optical Tos-Link and should be connected to the Optical Tos-Link Digital Input of your DSP (Digital Surround-sound Processor).

The connection is: Optical Output – Tos-Link.

The Digital Output (2) uses a 75 Ohm RCA socket and should be connected to the Coaxial Digital Input of your DSP.

The connection is: Coaxial Output – Orange.

### **SCART OUTPUT:**

There is a SCART Output (10) for convenience that could be connected to the SCART Input of your TV, Projector or Monitor.

The connection is: SCART.

### **VIDEO OUTPUTS:**

There are three Video Outputs, one Composite, one S-Video and one Component. The Composite Output (6) are RCA sockets and should be connected to the Composite Video Input of your TV, Projector or Monitor.

The connection is: Composite Video – Yellow.

The S-Video Output (7) is a better Video link (remember to use high quality S-Video cable and no longer than 5 metres) and should be connected to the S-Video Input of your TV, Projector or Monitor.

The connection is: S-Video Output – S-Video.

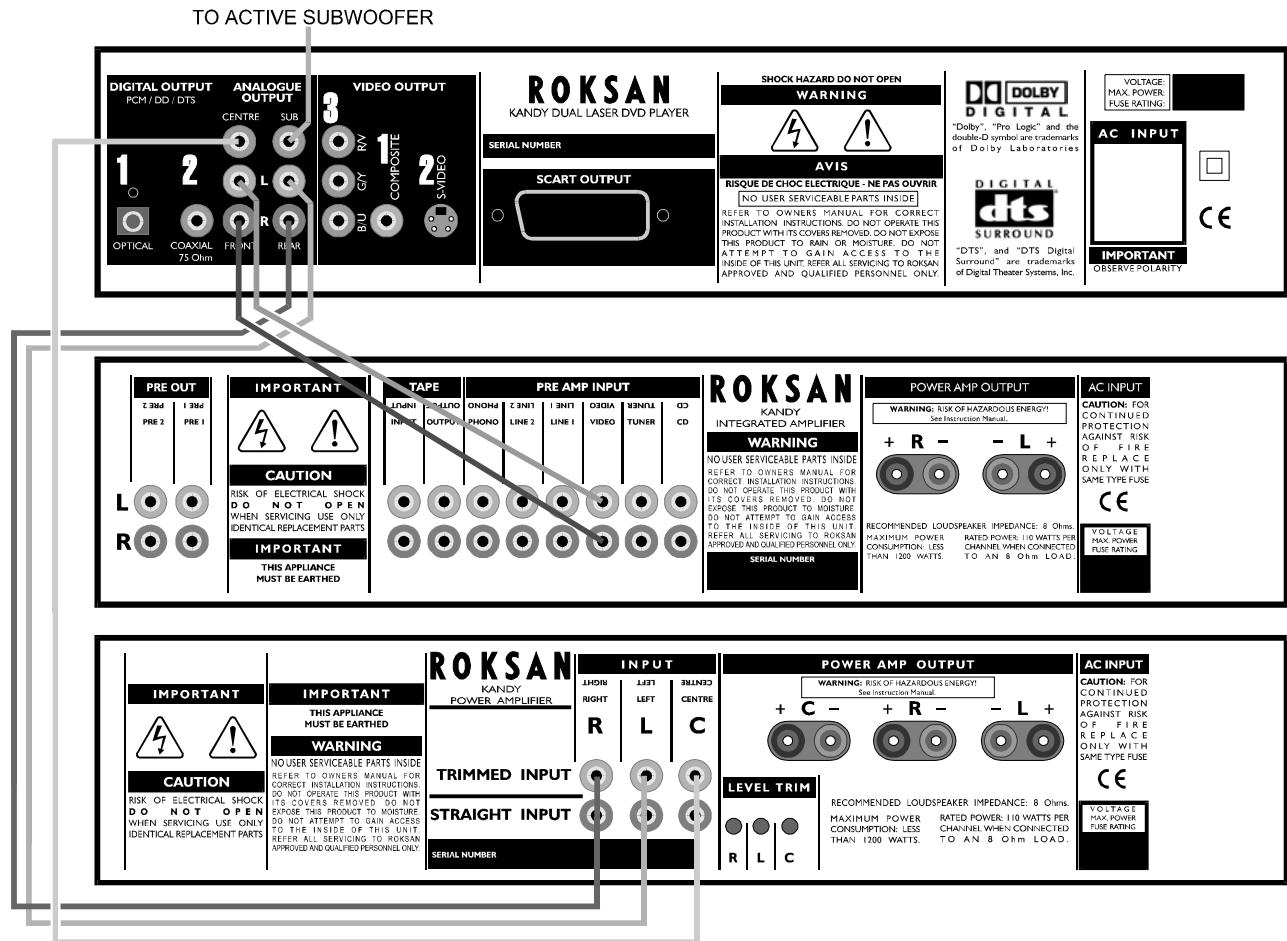
For best quality picture the Component Video Output (5) are 3 RCA connectors and should be connected to the Component Video Input of your Projector or Monitor.

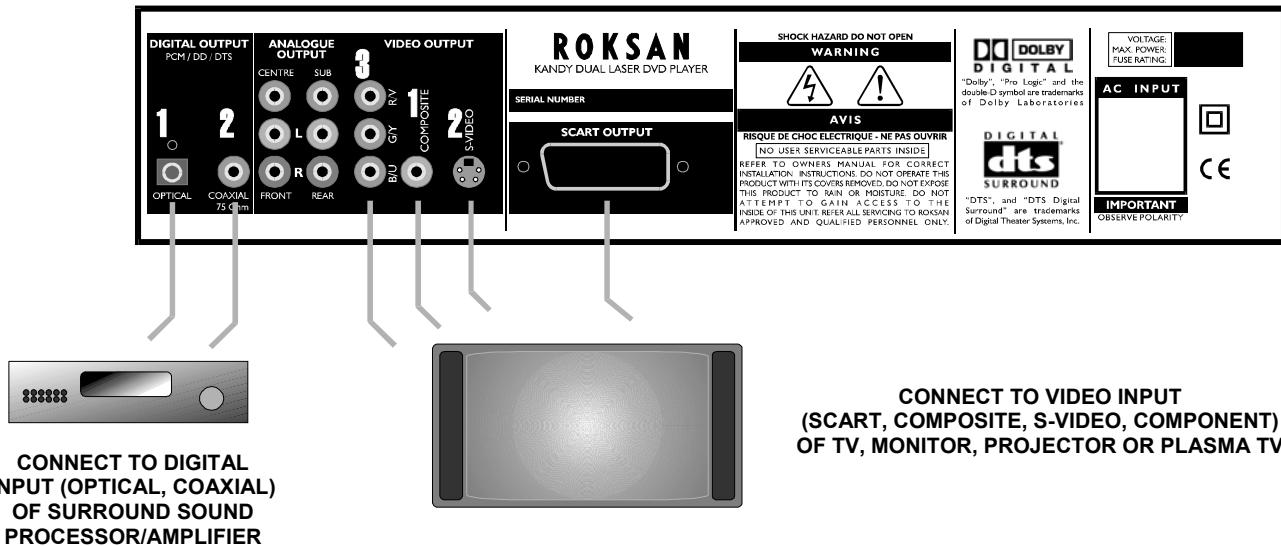
The connections are: B/U Output – Blue; G/Y Output – Green ; R/V Output – Red.

**IMPORTANT NOTE:** For optimum performance it is recommended to use high quality inter-connect cables such as ROKSAN HDC-02A High Definition Analogue Cable and HDC-01D High Definition Digital Cable. The HDC-01D terminated with Roksan RCA plugs can be used for Composite or Component links.

**Remember** The digital output is muted unless in General Setup menu, 'DIGITAL OUTPUT' is selected to be 'ON'. (Except in DTS mode where the DIGITAL OUTPUT is always ON)

**Only with DOWNMIX selected to OFF** can your DVD output **5.1-Channel Dolby Digital Audio**. You should also check that **CENTER, REAR** and **SUBWOOFER** speakers are selected to **ON**.





## OPERATION

### Kandy Dual Laser DVD Player

Please refer to the front and rear panel views on page 5.

#### SWITCHING ON

The Mains Inlet Socket **(11)** is located on the rear panel of the DVD Player. This should be connected to the mains for normal operation. If unattended for a long period, disconnect the Mains lead from the supply.

When connected to the mains, your Kandy DVD Player FL Display will illuminate. If a disc is inserted or already there, it would commence play. Pressing the Standby Button **(1)** on the front panel or the POWER Button **(1)** on the remote will toggle the DVD Player into and out of standby (GREEN: Standby, RED: Operation).

#### USING THE FRONT PANEL CONTROLS

##### LOADING A DISC

Press the Open/Close Button **(2)** once to open the disc-loading tray. Carefully load a disc into the tray recess with the label side up. Press Open/Close Button again to close the tray.

##### **IMPORTANT:**

- When first loading a disc it is advisable to use the Open/Close button to load and start play rather than the Play button.
- Do not attempt to load a disc until the drawer is fully opened.
- Do not attempt to close the drawer until the disc is properly seated in the holder recess.
- Warped discs should **never** be played.
- When first loading a disc it is advisable to use the Open/Close button to load and start play rather than the Play button.

##### PLAYING A DISC

When a disc has been loaded, your Kandy DVD Player will briefly spin the disc while it studies the data encoded on it. The unit will then start playing the disc. From the front panel you can Stop the disc using Button **(7)** or Pause using Button **(8)** and resume Play using Buttons **(3 & 9)**. To Eject the disc press Button **(2)**.

All other functions are accessed from the Kandy DVD Remote Hand Handset.

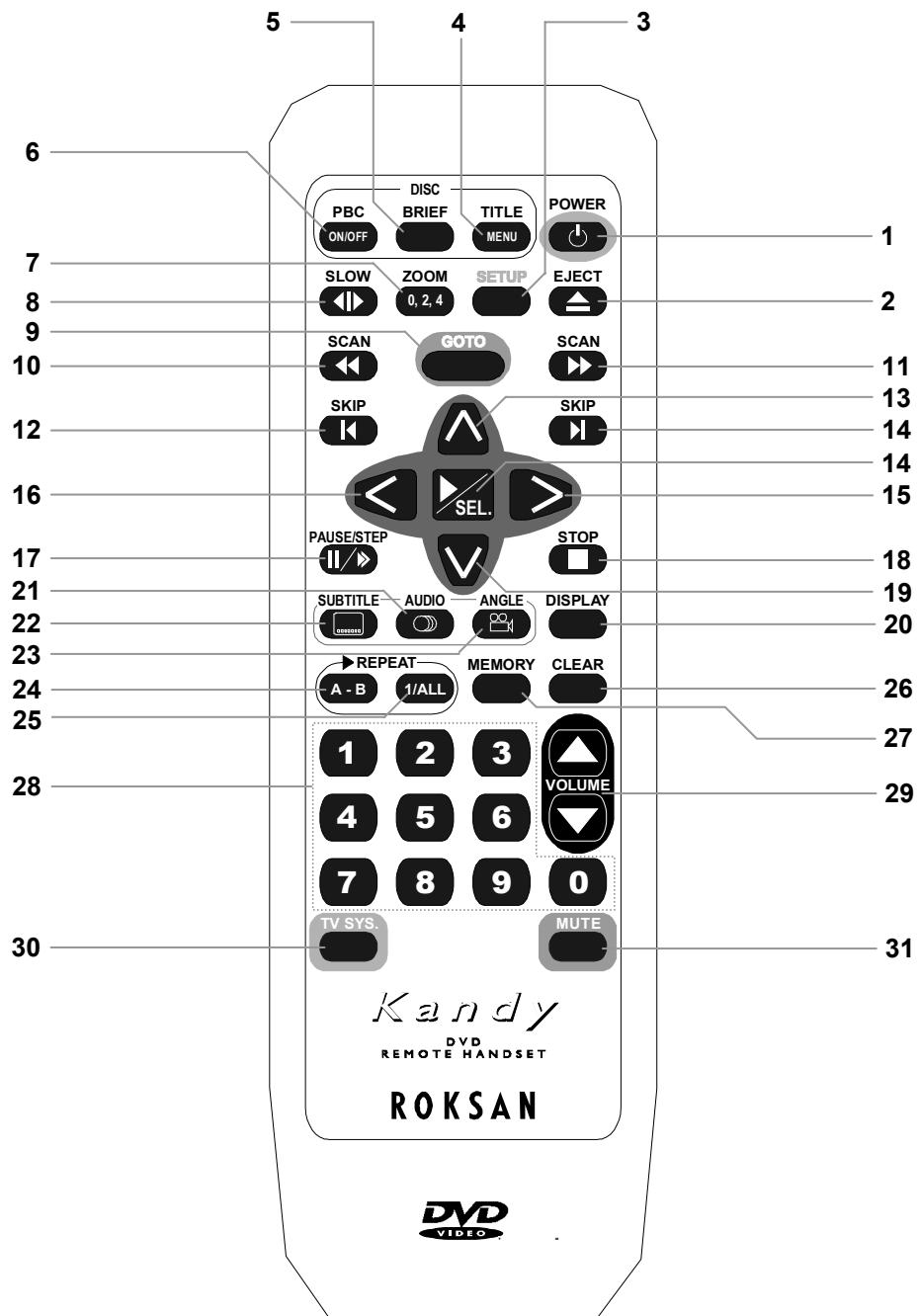
When disc is first inserted or a new Title or Chapter/Track is selected, the display will indicate the **Title**, **Chapter/Track Number** and the **Elapsed Time**.

You should first check the setup of the DVD Player on the TV/Monitor/Projector screen to ensure all settings are correct for your application (Refer to Setup).

Your DVD Player is supplied with a Full Remote Control Handset.

The Remote Control Handset is powered by two 1.5V AA batteries (supplied). When inserting the batteries observe the correct polarity.

The handset duplicates all front panel controls and contains all other additional features.



<b>1</b>	Power Button	Toggles the DVD into and out of Standby	<i>Standby Indicator will glow Green and Red</i>
<b>2</b>	Eject Button	Opens and Closes the disc loading tray	<i>Display will indicate OPEN/CLOSE</i>
<b>3</b>	Setup Button	OSD displays the Setup Menu	<i>See Setup</i>
<b>4</b>	Title/Menu Button	Displays DVD Disc Menu	
<b>5</b>	Brief Button	Briefly plays and Displays directly accessible Titles	<i>With PBC OFF</i>
<b>6</b>	PBC Button	Toggles broadcast On and Off	
<b>7</b>	Zoom Button	Displays picture in normal to x2, x4, normal, x2, x4 ..... zoom	
<b>8</b>	Slow Button	Displays picture in normal, SF x2, x4 ,x8 SR x2, x4, x8, normal	
<b>9</b>	Goto Button	During Play allows selection of desired Title or Chapter <i>Title or Chapter</i> <i>Enter No. using Numerical keys</i>	<i>Use &lt; or &gt; to select</i>
<b>10</b>	Scan Button	Scans Reverse x2, x4, x8, x16, x32, normal	<i>Fast reverse on CDs</i>
<b>11</b>	Scan Button	Scans Forward x2, x4, x8, x16, x32, normal	<i>Fast forward on CDs</i>
<b>12</b>	Skip Button	Skips Back one Chapter at a time	<i>Skips back a track on CDs</i>
<b>13</b>	Up Button	Moves Cursor Up	
<b>14</b>	Skip Button	Skips Forward one Chapter at a time	<i>Skips forward a track on CDs</i>
<b>15</b>	Move Right Button	Moves Cursor Right	
<b>16</b>	Move Left Button	Moves Cursor Left	
<b>17</b>	Pause/Step Button	Pauses picture and every time moves it forward a frame	<i>Press Play/SEL. to resume</i>
<b>18</b>	Stop Button	Stops play	<i>Press Play/SEL. to resume on DVDs</i>
<b>19</b>	Move Down Button	Moves Cursor Down	
<b>20</b>	Display Button	Displays elapsed and remaining time on track and disc <i>1<sup>st</sup>: Elapsed on track. 2<sup>nd</sup>: Remaining on track. 3<sup>rd</sup>: Elapsed on disc. 4<sup>th</sup>: Remaining on disc.</i>	<i>Press and march through</i>
<b>21</b>	Audio Button	Selects Audio outputs available on the DVD disc	
<b>22</b>	Subtitle Button	Selects Subtitles available on the DVD disc	
<b>23</b>	Angle Button	Selects camera angles available on the DVD disc	
<b>24</b>	A-B Repeat Button	Selects points A and B on disc for repeat to commence and end <i>Press during play at the point where repeat is to commence</i> <i>Press again at the point where repeat is to be concluded</i>	<i>Press during play</i> <i>Repeat of chapter being played</i> <i>Repeat of Title being played</i> <i>Cancel repeat mode</i>
<b>25</b>	1/ALL Repeat Button	Selects Chapter or Title to be repeated	
<b>26</b>	Clear Button	Erases in sequence from last programmed Track	<i>Every press erases one programmed track</i>
<b>27</b>	Memory Button	Programmes Tracks to be played in the order desired	<i>Press Stop</i> <i>Press Memory</i> <i>Use numerical keys to enter Numbers</i> <i>Press Play/SEL.</i>
<b>28</b>	Numerical Buttons	Selects the desired numbers	<i>001 for 1, 002 for 2 ...etc.</i>
<b>29</b>	Volume Button	Adjusts Analogue Audio Output Volume	<i>Not applicable to Digital Output</i>
<b>30</b>	TV/System Button	Selects between Multi, NTSC or PAL Video Output systems	<i>During Play</i>
<b>31</b>	Mute	Mutes and unmutes Audio Output	<i>In all modes</i>

#### Direct Access via Numerical Buttons:

You can access your desired track on a CD directly by entering the desired track number (001 for 1, 002 for 2 ... etc.) The DVD player would automatically go to the selected track on the CD and begin to play.

If you do not enter the preceding zeros, either press **PLAY/SEL.** or the entered track number (7 for example) would automatically play after 5 seconds.

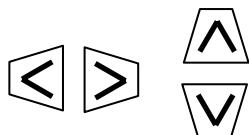
When playing CDs, the DVD front panel display will indicate the track number and the elapsed time. (The OSD will also indicate your selections such as Track Number, Play, Pause, Scan etc)

On DVDs, you can access your desired Title/Chapter, by first selecting '**GOTO**', then select between Title or Chapter and then enter the desired number as outlined above (01 for 1, 02 for 2 ... etc).

To configure the DVD Player to suite your specific requirements follow the instructions below:

Using the Setup Button (3) and Move Up, Down, Left or Right Buttons (13, 19, 16 & 15) on your remote handset, you can cruise around the setup menu and select the desired outputs or modes.

**NOTE:**



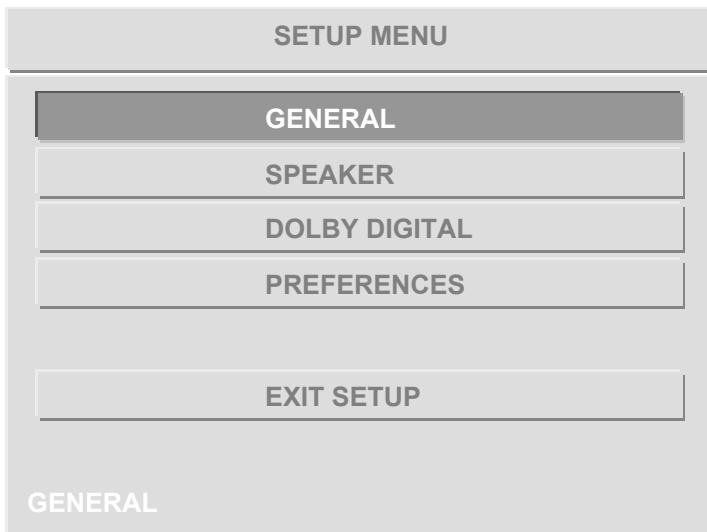
These buttons move the selection cursor to left or right columns of the dropdown menus and navigate up or down the menu.



This button selects the desired mode or setting. *Pre-selected settings are highlighted with text in black and what you are selecting will have the text in white. After moving up/down to the desired selection, press this button to ensure that you have actually selected your desired setting.*

Press **SETUP (3)** on the remote handset:

The setup menu will be displayed  
Cruise **up** and **down** and then press **SEL.**



\*\*\* Refer to the **SETUP MENU** section for details on available settings and useful tips.

If you suspect that your ROKSAN Kandy DVD Player is not operating properly, you should check all the connections carefully. Pay particular attention to input and output connections. Phono plugs should be fully inserted- a frequent cause of problems is that Phono plug surrounds do not make proper contact. Check the DVD Setup Menu and ensure the correct outputs are selected. Below are some commonly encountered problems with suggestions for possible cure. The list is not exhaustive: If you have any unresolved problems, please consult your appointed ROKSAN dealer or distributor.

SYMPTOM (COMMON)	REMEDY
<ul style="list-style-type: none"> <li>● No power.</li> </ul>	<ul style="list-style-type: none"> <li>● Insert the power plug securely into the power outlet.</li> <li>● Check if the standby button on the front of the player is set to on.</li> <li>● Check if there is power at the AC outlet by plugging in another appliance.</li> </ul>
<ul style="list-style-type: none"> <li>● Play fails to start even when PLAY is pressed.</li> <li>● Play commences but then stops immediately.</li> </ul>	<ul style="list-style-type: none"> <li>● Condensation has formed: wait about 1 to 2 hours to allow the player to dry out.</li> <li>● This player cannot play discs other than DVDs, video CDs and audio CDs.</li> <li>● Check if the disc is defective by trying another disc.</li> <li>● Check the region (local) code.</li> <li>● The disc may be dirty and may require cleaning.</li> <li>● Ensure that the disc is installed with the label side up.</li> </ul>
<ul style="list-style-type: none"> <li>● No picture.</li> </ul>	<ul style="list-style-type: none"> <li>● Ensure that the equipment is connected properly.</li> <li>● Ensure that the input setting for the TV is "Video".</li> <li>● Check if the TV is switched on.</li> <li>● Select the same channel and source on the TV as on the player.</li> </ul>
<ul style="list-style-type: none"> <li>● No sound.</li> </ul>	<ul style="list-style-type: none"> <li>● Ensure that the equipment is connected properly.</li> <li>● If using a HiFi amplifier, try another sound source.</li> </ul>
<ul style="list-style-type: none"> <li>● Distorted sound.</li> </ul>	<ul style="list-style-type: none"> <li>● Ensure that the input settings for the TV and stereo system are proper.</li> <li>● No sound is heard during still picture (pause) or slow-motion play.</li> </ul>
<ul style="list-style-type: none"> <li>● No audio at Digital Output</li> </ul>	<ul style="list-style-type: none"> <li>● Check the digital connections.</li> <li>● Check the settings menu to make sure that the DIGITAL output is set to ON.</li> <li>● Check if the audio format of the selected audio language matches your receiver capabilities.</li> </ul>
<ul style="list-style-type: none"> <li>● Distorted picture.</li> </ul>	<ul style="list-style-type: none"> <li>● Check the disc for fingerprints and clean with a soft cloth, wiping from centre to edge.</li> <li>● Sometimes a small amount of picture distortion may appear. This is not a malfunction.</li> </ul>
<ul style="list-style-type: none"> <li>● Completely distorted picture or no colour in picture.</li> </ul>	<ul style="list-style-type: none"> <li>● The disc format is not according to the TV-set used (PAL/NTSC).</li> </ul>
<ul style="list-style-type: none"> <li>● Picture is distorted during rapid advance or rapid reverse.</li> </ul>	<ul style="list-style-type: none"> <li>● The picture will be somewhat distorted at times: this is normal.</li> </ul>
<ul style="list-style-type: none"> <li>● No rapid advance (or rapid reverse) play.</li> </ul>	<ul style="list-style-type: none"> <li>● Some discs may have sections, which prohibit rapid advance (or rapid reverse).</li> </ul>
<ul style="list-style-type: none"> <li>● No 4:3 (16:9) picture.</li> </ul>	<ul style="list-style-type: none"> <li>● Choose the correct setup "TV DISPLAY" item, which matches the TV set used.</li> </ul>
<ul style="list-style-type: none"> <li>● No operations can be performed with the remote control.</li> </ul>	<ul style="list-style-type: none"> <li>● Check the batteries are installed with the correct polarities (+ and -).</li> <li>● The batteries are depleted: replace them with new ones.</li> <li>● Point the remote control unit at the remote control signal sensor and operate.</li> <li>● Operate the remote control unit at a distance of not more than 7 meters from the remote control signal sensor.</li> <li>● Remove the obstacles between the remote control unit and remote control signal sensor.</li> </ul>
<ul style="list-style-type: none"> <li>● No key operation (by the unit and/or the remote control) is effective.</li> </ul>	<ul style="list-style-type: none"> <li>● Turn the unit off and then back to on. Alternatively, turn off the unit, disconnect the AC power cord then re-connect it. (The player may not be operating properly due to lighting, static electricity or some other external factor.)</li> </ul>

SYMPTOM (DVD)	REMEDY
● Play does not commence even when title is selected.	● Check "PARENTAL" setup.
● Audio soundtrack and/or subtitle language is not the one selected at the initial settings.	● If the audio soundtrack and/or subtitle language does not exist on the disc, the language selected at the initial settings will not be seen/heard.
● No subtitles.	● Subtitles appear only with discs, which contain them. ● Subtitles are cleared from the TV monitor. Press SUBTITLE to display the subtitles.
● Alternative audio soundtrack (or subtitle) languages fail to be selected.	● An alternative language is not selected with discs, which do not contain more than one language.
● Angle cannot be changed	● This function is dependent on software availability. Even if a disc has a number of angles recorded, these angles may be recorded for specific scenes only.

SYMPTOM (Video CD)	REMEDY
● No menu play	● This function works only for video CDs with playback control (version 2.0 and above).

## Selecting the type of disc for the type of TV connected

Both the DVD discs and Video CDs have the material recorded in PAL and NTSC systems. Refer to the table below to select the correct setting for the type of TV connected.

### Connecting to the multi system TV

DISC	TV MONITOR
	Played in the PAL system.
	Played in the NTSC system.

### Connecting to the PAL system TV

DISC	TV MONITOR
	Played in the PAL system.
	No clear images are shown on the screen.

### Connecting to the NTSC system TV

DISC	TV MONITOR
	No clear images are shown on the screen.
	Played in the NTSC system.

#### NOTE:

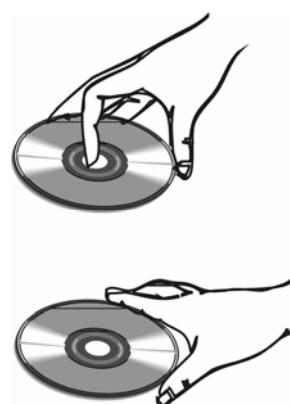
TV SYS. Button (30) on the remote marches through MULTI – NTSC - PAL ... with every press. This way the setting is changed but 'locally' until the disc is removed. Then the DVD reverts to the original setting in the setup menu. Selecting the correct system for the type of disc can improve picture quality, especially motion.

# Disc Handling and Maintenance

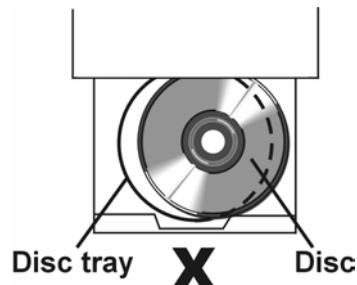
## Handling Precautions

- Hold the disc by the edges so the surface will not be soiled with fingerprints. (A)  
Fingerprints, dirt and scratches can cause skipping and distortion.
- Do not write on the label side with a ballpoint pen or other writing utensils.
- Do not use record cleaning sprays, benzene, thinner, static electricity prevention liquids or any other solvent.
- Be careful not to drop or bend the disc.
- Do not install more than 1 disc on the disc tray.
- Do not try to close the disc tray when the disc is not installed properly. (B)
- Be sure to store the disc in its exclusive case when not in use.

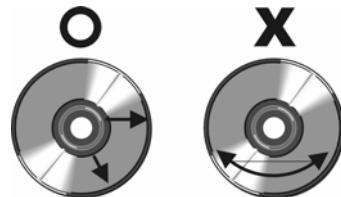
(A)



(B)



(C)



### If the surface is soiled (C)

Wipe gently with a soft, damp (water only) cloth.  
When wiping discs, always move the cloth from the centre hole toward the outer edge.  
(If you wipe the discs using a circular motion, circular scratches are likely to occur, which will cause noise.)

### If the disc is brought from a cold to a warm environment, moisture may form on the disc

Wipe this moisture off with a soft, dry, lint-free cloth before using the disc.

### Improper disc storage

You can damage discs if you store them in the following places:

- Areas exposed to direct sunlight
- Humid or dusty areas
- Areas directly exposed to a heat outlet or heating appliance

### Disc which cannot be played with this player

- CD-ROM
- CDV
- CD-G
- DVD with a Local No. other than that shown on the DVD unit's Region Code Label on the rear panel
- Do not try to play Photo CD

## Maintenance

- Be sure to turn the unit off and disconnect the AC power cord before maintaining the unit.
- Wipe this unit with a dry soft cloth.  
If the surfaces are extremely dirty, wipe clean with a cloth, which has been dipped in a weak soap-and-water solution and wrung out thoroughly, and then wipe again with a dry cloth.
- Never use alcohol, benzene, thinner, cleaning fluid or other chemicals. And do not use compressed air to remove dust.

There are no user-serviceable parts inside your Kandy DVD Player. If a fault should develop, refer any servicing to your appointed ROKSAN dealer, distributor or ROKSAN approved service agent.

Your ROKSAN Kandy DVD Player is guaranteed against any defect in materials and workmanship for a period of **two years** from the date of purchase.

This guarantee only becomes effective if the warranty card is validated by the ROKSAN retailer from whom the equipment was purchased and returned to ROKSAN within **28 days** of purchase.

This guarantee excludes:

1. Damage caused due to accident, misuse, neglect and incorrect installation, adjustment or repair.
2. Liability for damage or loss during transit from the retailer or purchaser to ROKSAN or its authorised distributor for the purposes of repair or inspection.

Carriage costs to ROKSAN shall be borne by the consignor.

All claims under this guarantee must be made through an authorised ROKSAN retailer.

If equipment returned for repair to ROKSAN is found on inspection to comply with the product specification ROKSAN reserves the right to make a charge for examination and return carriage.

***Unauthorised servicing will void this guarantee.***

**SPECIFICATIONS****Kandy Dual Laser DVD Player**

<b>Loading Method</b>	Front Loading
<b>Optical Reader</b>	Dual Laser
<b>Video Section</b>	Roksan custom designed MPEG PCB (10bit/27MHz Video DAC)
<b>Display</b>	FL Tube (Front Panel) Full On Screen Display
<b>Disc Played</b>	DVD, VCD, CD, MP3, CD-R, CD-RW, SVCD, DVCD Compatible
<b>Video Output</b>	Composite S-Video Component (SCART)
<b>Video System</b>	MULTI, NTSC & PAL
<b>Video Decompression</b>	MPEG-1 (ISO/IEC-13818) MPEG-2
<b>Digital Output</b>	Optical TOS-Link 75Ω Coaxial (5.1 DTS, Dolby Digital & Linear PCM)
<b>DVD Frequency Response</b>	48 kHz Sampling: 4 - 22 kHz 96 kHz Sampling: 4 - 44 kHz
<b>Audio Output</b>	5.1 Dolby Digital, Virtual Surround, Stereo & Downmix options 2V rms (SCART)
<b>CD Frequency Response</b>	<4 Hz – 20 kHz
<b>D/A Conversion (Stereo)</b>	96 kHz / 24 bit Burr Brown PCM 1716

<b>S/N Ratio</b>	>105dB
<b>THD</b>	<0.003%
<b>Wow &amp; Flutter</b>	Below Measurable Limits
<b>Power Source</b>	100V – 240V 50Hz / 60Hz
<b>Power Consumption</b>	< 35 W
<b>Dimension</b>	432 x 350 x 90 (W x D x H) mm 432 x 330 x 100 (including feet)
<b>Weight</b>	10Kg

## NOTES

## Kandy Dual Laser DVD Player

**Kandy DVD Player**

Serial Number: .....

**Purchase Date**

Year ..... Month ..... Day .....

**ROKSAN Retailer**

Name: .....  
Location: .....

*Please keep a record for future reference*